88888888 88888888 888	88888 88888	AAAAAAAA AAAAAAAA	\$	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		
888	888 888	AAA AAA	SSS	RRR RRR	III	LLL
BBB	BBB	AAA AAA	SSS	RRR RRR	İİİ	iii
888 888	BBB	AAA AAA	SSS	RRR RRR	TTT	LLL
BBB	888	AAA AAA	SSS	RRR RRR	III	LLL
BBB	888	AAA AAA	SSS	RRR RRR	III	rrr
88888888 88888888		AAA AAA	\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	İİİ	rir
8888888	RARA	AAA AAA	\$\$\$\$\$\$\$\$\$	RRRRRRRRRRRRR	III	LLL
888	BBB	AAAAAAAAAAAA	SSS	RRR RRR	iii	iii
BBB	BBB	AAAAAAAAAAAA	SSS	RRR RRR	iii	iii
BBB	BBB	AAAAAAAAAAAA	SSS	RRR RRR	TTT	III
888	BBB	AAA AAA	SSS	RRR RRR	TTT	LLL
BBB	BBB	AAA AAA	SSS	RRR RRR	III	rrr
888 8888888	BBB	AAA AAA	288	RRR RRR	III	LLL
8888888		AAA AAA	SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	RRR RRR	III	
8888888		AAA AAA	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	RRR RRR	iii	

BBBBBBBB BB BB BB BB BB BB BB BB BB BB BBBBBB	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	\$	000000 00 00 00 00
		\$	

EEEEEEEEE	ccccccc	ши	uu	000	00000
EEEEEEEEE	2222222	HH	HH		RRRRR
EE	CC	HH	HH	RR	RI
ĒĒ	22	HH	HH	RR	RI
ĒĒ	22	HH	HH	RR	RI
ÈÈ	čč	НН	НН	RR	RI
EEEEEEEE	čč		ннннн		RRRRR
EEEEEEEE	ČČ		ннннн		RRRRR
EE	CC	HH	HH	RR	RR
EE	CC	HH	HH	RR	RR
EE	CC	HH	HH	RR	RR
EE	CC	HH	HH	RR	RR
EEEEEEEEE	CCCCCCCC	HH	HH	RR	RI
EEEEEEEEE	2222222	HH	HH	RR	RI

190123456789012345678901234567

0038

! *

MODULE BASSONECHR (
IDENT = '1-002'
BEGIN

! File: BASONECHR.B32

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FACILITY: BASIC-PLUS-2 Miscellaneous I/O

ABSTRACT:

This module contains the BASIC ONECHR function.
Which causes the next sequential GET to get only one character.

ENVIRONMENT: VAX-11 User Mode

AUTHOR: John Sauter, CREATION DATE: 17-APR-1979

MODIFIED BY:

1-001 - Original. 1-002 - Set up ISB\$A_USER_FP. JBS 25-JUL-1979

0046 1 !--0047 1 0048 1 !<BLF/PAGE>

BASSONE CHR 1-002	I 16 16-Sep-1984 00:51:55 VAX-11 Bliss-32 V4.0-742 P. 14-Sep-1984 11:55:24 [BASRTL.SRC]BASONECHR.B32;1	age 3
: 107 : 108 : 109 : 110	0934 1 !+ 0935 1 ! The following are the error codes used in this module. 0936 1 !- 0937 1	
111	0938 1 EXTERNAL LITERAL 0939 1 BAS\$K_IO_CHANOT : UNSIGNED (8); ! Channel not open. 0940 1	

IF (.CHAN EQL 0)

THEN

Page

(3)

```
K 16
16-Sep-1984 00:51:55
14-Sep-1984 11:55:24
BASSONECHR
1-002
                                                                                                                                    VAX-11 Bliss-32 V4.0-742
EBASRTL.SRCJBASONECHR.B32:1
                                                                                                                                                                                         Page
                        0998
0999
1000
1001
1002
1003
1004
1006
1007
1008
1009
1010
                                                BEGIN
     173
173
173
175
176
177
178
179
181
183
184
189
191
193
194
195
197
The user is referencing his controlling terminal.
                                                BAS$$CB_PUSH (LUB$K_LUN_INPU, LUB$K_ILUN_MIN);
CCB_LISB$A_USER_FP] = .FMP_[SF$L_SAVE_FP];
                                    ! If the controlling terminal is not yet open, open it.
                                                IF ( NOT .CCB [LUB$v_OPENED]) THEN BAS$$OPEN_ZERO (.FMP [SF$L_SAVE_FP]);
                                                END
                         1011
                                          ELSE
                         1012
                                                BEGIN
                                 うずずずずがいいいいというというというというというというと
                        1014
1015
1016
1017
1018
1019
                                       This is an ordinary channel.
                                                BAS$$CB_PUSH (.CHAN, LUB$K_LUN_MIN);
CCB [ISB$A_USER_FP] = .FMP [SF$L_SAVE_FP];
                                                END:
                         1020
                                       If the channel is not now open, either there is a problem with
                                       the OPEN code, or the non-zero channel was not first opened.
    198
199
200
201
202
203
204
205
206
207
208
210
211
                                          IF ( NOT .CCB [LUB$V_OPENED]) THEN BAS$$STOP_IO (BAS$K_IO_CHANOT);
                                       Now set the ONECHR bit, which will cause the record level code
                                       to tell RMS to stop after a single character.
                        1031
1032
1033
1034
1035
1036
1037
                                          CCB [LUB$V_ONECHR] = 1;
                                       We are done with register CCB.
                                          BAS$$CB_POP ():
                                          RETURN (SS$_NORMAL);
                                          END:
                                                                                                            ! end of BASSONECHR
                                                                                                               .TITLE
                                                                                                                          BASSONECHR
                                                                                                                          BAS$$OPEN_ZERO, BAS$$CB_PUSH
BAS$$CB_POP, BAS$$STOP_TO
                                                                                                               .EXTRN
                                                                                                               .EXTRN
                                                                                                                          BASSK_IO_CHANOT
                                                                                                               .EXTRN
                                                                                                                           _BAS$CODE,NOWRT, SHR, PIC,2
                                                                                                                          BASSONECHR, Save R2,R3,R4,R11
BASSSCB_PUSH, R4
FP, FMP
CHAN
                                                                                         00000
00002
00009
0000C
                                                                                  081C
9E
00
05
12
CE
                                                                                                                                                                                               0941
                                                                                                               .ENTRY
                                                                               00
50
1E
08
                                                              0000000G
                                                                                                               MOVAB
                                                                                                               MOVL
                                                                                                                                                                                               0991
                                                                        04
                                                                                                               TSTL
                                                                                                                                                                                               0996
                                                                                                               BNEQ
                                                                                                                          #8, RO
                                                           50
                                                                                                               MNEGL
                                                                                                                                                                                              1002
```

B/ 1-	AS\$ONECHR -002						L 16 16-Sep- 14-Sep-	1984 00:51 1984 11:55		VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASONECHR.B32;1	Page 6 (3)
		FF4C 00000000G FF4C 00000000G	50	0C FC 0C 04 0C FC 00G	0743B31000001	CE 0001 16 0001 DO 0001 E8 0001 DD 0002 FB 0002 11 0002 DO 0003 16 0003 DO 0003 E8 0004 FB 0004 FB 0004 FB 0005 DO 0005 DO 0005	9	MNEGL JSB MOVL BLBS PUSHL CALLS BRB CLRL MOVL JSB MOVL BLBS MOVZBL CALLS BISB2 JSB MOVL RET	RO CHAN BAS\$ 12(F	R2 SCB_PUSH CB), 3\$ MP) BAS\$\$OPEN_ZERO R2 SCB_PUSH CB), 3\$ CB), 3\$ SK_IO_CHANOT, -(SP) BAS\$\$STOP_IO -96(CCB) SCB_POP R0	1003 1008 0996 1016 1017 1025 1031 1035 1036 1037
:	Routine Size: 90 bytes,	Routine	Base: _	BAS\$CO	DE +	0000					
	212 1038 1 213 1039 1 END 214 1040 1 215 1041 0 ELU	JDOM						! end of i	modul	Le BAS\$ONECHR	
	Name	Bytes	PSECT S	UMMAKT			ttribut	es			
	_BAS\$CODE	- /		EC,NOW	RT,				REL,	CON, PIC,ALIGN(2)	
		Libra	y Statis	tics							
	File		ī	otal		mbols	ercent	Pages Mappe	d	Processing Time	
1	_\$255\$DUA28:[SYSLIB]STAR	BLET.L32;1		9776		2	0	581		00:01.2	

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACE/LIS=LIS\$:BASONECHR/OBJ=OBJ\$:BASONECHR MSRC\$:BASONECHR/UPDATE=(ENH\$:BASONECHR

M 16 16-Sep-1984 00:51:55 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 11:55:24 [BASRTL.SRC]BASONECHR.B32;1

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